

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In the application of: James M. Tour

Serial No.: 10/561,253

Filing Date: June 21, 2004

Art Unit: 1754

Examiner: Unknown

Title: *Polymerization Initiated at the Sidewalls of Carbon Nanotubes*

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

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Applicant hereby submits that claims of Applicant's referenced patent application are patentably distinguishable from these references.

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ATTORNEY DOCKET NO.
11321-P068WOUS



Respectfully submitted,

Date: March 19, 2007


Sarah S. Bittner
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AGENT FOR APPLICANT

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CERTIFICATE OF MAILING

I hereby certify that the attached *Information Disclosure Statement* and cited art are being deposited with the USPS, with sufficient postage as first class mail, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this the 19th day of March, 2007.

3/19/07
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901998v.1 11321/P068WOUS



PTO/SB/08A (09-06)

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Sheet 1

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Application Number	10/561,253
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First Named Inventor	James M. Tour
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Examiner Name	Unknown
Attorney Docket Number	11321-P068WOLUS

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Sheet	2	of	4	Attorney Docket Number	11321-P068WOUS

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	4	Ebbesen et al., "Large-scale Synthesis of carbon nanotubes", 358 Nature (1992), pgs. 220-222			
	5	Ebbesen et al., "Carbon Nanotubes", 24 Ann. Rev. of Mater. Sci. (1994), pgs. 235-264			
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	7	Saito et al., Physical Properties of Carbon Nanotubes, 1998, London: Imperial College Press; Sun et al., Nature, 2000, 403:384			
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	9	Wang et al., "Single-walled 4 A carbon nanotube arrays", 408 Nature (2000), pgs. 50-51			
	10	Hafner et al., "Catalytic growth of single-wall carbon nanotubes from metal particles", 296 Chem. Phys. Lett. (1998), pgs. 195-202			
	11	Cheng et al., "Bulk morphology and diameter distribution of single-walled carbon nanotubes synthesized by catalytic ..", 289 Chem. Phys. Lett. (1998), pgs. 602-610			
	12	Nikolaev et al., "Gas-phase catalytic growth of single-walled carbon nanotubes from carbon monoxide", 313 Chem. Phys. Lett. (1999), pgs. 91-97			
	13	Thess et al., "Crystalline Ropes of Metallic Carbon Nanotubes", 273 Science (1996), pgs. 483-487			

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NON PATENT LITERATURE DOCUMENTS

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	14	Vander Wal et al., "Flame and Furnace Synthesis of Single-Walled and Multi-Walled..", 105(42) J. Phys. Chem. B. (2001), pgs. 10249-10256	
	15	Rao, et al., "Functionalised carbon nanotubes from solutions" Chem. Commun. (1996), pgs. 1525-1526	
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	18	Chen, et al., "Chemical attachment of organic functional groups to single-walled carbon nanotube material", 282 Science (1998), pgs. 95-98	
	19	Aihara, "Lack of superaromaticity in Carbon Nanotubes", 98 J. Phys. Chem. (1994), pgs. 9773-9776	
	20	Chen, Y. et al., "Chemical attachment of organic functional groups to single-walled carbon nanotube material", 13 J. Mater Res. (1998), pgs. 2423-2431	
	21	Bahr et al., "Covalent chemistry of single-wall carbon nanotubes" 12 J. Mater. Chem. (2002), pgs. 1952-1958	
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	23	Holzinger et al., 'Sidewall Functionalization of Carbon Nanotubes", 40(21) Angew. Chem. Int. Ed. (2001), pgs. 4002-4005	

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	24	Bahr et al., "Dissolution of small diameter single-wall carbon nanotubes in organic solvents", Chem. Commun. (2000), pgs. 193-194		
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	32	Ederle, et al., "Carbanions on Grafted C60 as Initiators for Anionic Polymerization", 30(15) Macromolecules (ACS) (1997), pp. 4262-4267		
	33	Shaffer, et al., "Polystyrene grafted multi-walled carbon nanotubes", Chem. Comm. (09/12/02), pp. 2074-2075		

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